

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings of claims in the application:

Claims 1-14 (Canceled):

Claim 15 (Currently Amended): A method for producing a recycled resin, comprising:

adding and stirring, in an extruder, a decomposing agent to said an urethane resin to cleave urethane bonds in said urethane resin and capture amino groups generated by the cleaving of said urethane bonds, at a temperature between 150 to 280 °C, thereby obtaining a decomposed substance of said urethane resin; and

reacting the decomposed substance of the urethane resin with a compound that contains at least one functional group selected from the group consisting of an epoxy group and an isocyanate group;

wherein said decomposition decomposing agent is an anhydride of a polycarboxylic acid.

Claim 16 (Canceled):

Claim 17 (Previously Presented): The method according to claim 15, wherein the decomposing agent is at least one compound selected from the group consisting of phthalic anhydride, methyltetrahydronaphthalic anhydride, hexahydronaphthalic anhydride, and succinic anhydride.

Claim 18 (Currently Amended): A recycled resin, which is produced by

adding, in an extruder, a decomposing agent to said an urethane resin to cleave urethane bonds in said urethane resin and capture amino groups generated by the cleaving of said urethane bonds, thereby obtaining a decomposed substance of said urethane resin; and then reacting the decomposed substance of the urethane resin with a compound that contains at least one functional group selected from the group consisting of an epoxy group and an isocyanate group;

wherein said decomposition decomposing agent is an anhydride of a polycarboxylic acid.

Claim 19 (Canceled):

Claim 20 (Previously Presented): The recycled resin according to claim 18, wherein the decomposing agent is at least one compound selected from the group consisting of phthalic anhydride, methyltetrahydrophthalic anhydride, hexahydrophthalic anhydride, and succinic anhydride.

Claim 21 (Canceled):

Claim 22 (Canceled):

Claim 23 (New): The method according to claim 15, wherein the decomposing agent is crushed to 1 mm or less in size prior to use.

Claim 24 (New): The method according to claim 15, further comprising:

adding the same or another decomposing agent to the resulting decomposed substance of said urethane resin, and reacting same or another decomposing agent with an aromatic diamine that was generated by said cleaving of said urethane bonds but was not captured, thereby reducing an amount of amine in the decomposed substance of the urethane resin.

Claim 25 (New): The method according to claim 15, wherein the reaction of the same or another decomposing agent with said aromatic diamine is carried out at a temperature of 200°C or below.

Claim 26 (New): The method according to claim 15, wherein the reaction of the same or another decomposing agent with said aromatic diamine is carried out at a temperature of 150°C or below.